M28H 1886/87

THE LIPRARY OF THE JAN & 1931

CATALOGUE

OF THE

State College of Agriculture

AND THE

MECHANIC ARTS.

ORONO. MAINE, 1886-87.





PRINCIPAL BUILDINGS OF THE MAINE STATE COLLEGE.
White Hall. Chemical Laboratory.

Brick Hall and Boarding-House.

Shop.

CATALOGUE INRARY OF THE JAN 8 1937

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ORONO, MAINE, 1886-87.

AUGUSTA:

SPRAGUE & SON, PRINTERS TO THE STATE.

1887.



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LIEUT. CHARLES L. PHILLIPS, 4th U. S. ARTILLERY,

Professor of Military Science and Tactics.

HOWARD S. WEBB, Instructor in Shop-Work.

GILBERT M. GOWELL,

Farm Superintendent.

AARON E. SPENCER, Steward.

STUDENTS.

POST GRADUATE.

Jones, Ralph Kneeland, B. S.,

Bangor.

SENIOR CLASS.

Burleigh, John Henry, Cilley, Luis Vernet Prince, Clark, Bert Elmer, Clark, Irving Mason, Colby, David Wilder, Coffin, Edward Voranus, Hicks, Alice Albur, Houghton, Austin Dinsmore, Kirkpatrick, Fred Hudson, Lazell, James Draper, Mason, Charles Ayers, McNally, Henry Allen, Merrill, Fenton, Saunders, Addison Roberts, Sears, Cassius Almon, Stevens, Charles Hildreth. Trask, Frank Ellsworth, Vose, Charles Thatcher, Webb, Howard Scott, Williams, John Sumner,

Vassalboro'. Rockland. West Tremont. Bethel. Skowhegan. Harrington. Hampden. Fort Fairfield. Bangor. Rockland. Bethel. Fort Fairfield. Orono. Hanover. Fort Kent. Fort Fairfield. Bethel. Milltown, N. B. Skowhegan. Guilford.

JUNIOR CLASS.

Andrews, Hiram Bertrand, Bachelder, George Stetson, Blanchard, Charles DeWitt, Boardman, John Russell, Brick, Francis Stephen. Buker, Albion Henry, Butler, Harry, Campbell, Dudley Elmer, Eastman, Fred Langdon, Elwell, Edward Henry, Jr., Hancock, Willie Jerome, Hatch, John Wood, Howes, Claude Lorraine. Leavitt, Hannah Ellis. Lincoln, Harry Foster. Lord, Thomas George, Marsh, Ralph Hemenway, Miller, Seymore Farrington, Philbrook, William, Rogers, Seymour Everett, Ruth, Alfred Smith, Seabury, George Edwin, Small, Frank Llewellyn, Smith, Frank Adelbert, Sturtevant, Charles Fremont, Wilson, Nathaniel Estes,

Cape Elizabeth. Exeter Mills. Oldtown. Augusta. Biddeford. Rockland. Hampden. North Harpswell. East Hiram. Deering. Saco. Presque Isle. Boston, Mass. Norridgewock. Dennysville. Skowhegan. Bradley. Burlington. Shelburne, N. H. Stetson. Linnens. Fort Fairfield. Freeport. East Corinth. Bowdoinham. Orono.

SOPHOMORE CLASS.

Briggs, Fred Percy, Clark, Benjamin Randall, Coffin, Alphonso John, Cushman, Charles Granville, Edgerly, Joseph Willard, Ferguson, Jeremiah Sweetzer, Freeman, George Gifford, Gay, George Melville, Gould, Charles Benjamin, Haggett, Eben Raymond, Leavitt, Nellie Louise, Lewis, John Winchcombe, Littlefield, John Elmer, Matthews, Maude Arnold, Reed, John, Reed, Nellie Waterhouse, Sargent, William Henry, Stevens, Fred, Tripp, Norman, Vickery, Gilbert Scovil, Wilson, Mottie Frank,

Hudson. North Lubec. Harrington. North Bridgton. Princeton. Searsport. Cherryfield. Damariscotta. Orono. Newcastle. Norridgewock. Milton Mills, N. H. Brewer. Stillwater. Benton. Stillwater. Brewer Village. Gouldsboro'. Unity. Bangor. Orono.

FRESHMAN CLASS.

Abbott, Asa Frost, Andrews, Frank Orris, Bird, John, 2d, Blackington, Ralph Harvey, Cargill, Carroll David, Clark, Hugo, Croxford, Walter Everett. Dillingham, Charles Albert, Dow, Fred Todd. Drew, Albert Wilson, Dunton, Harris Drummond, Farrington, Horace Parker, Gould, George Pendleton, Hastings, Allie Mills, Heath, Everett Fenno, Hodgdon, George Washington, Jones, Leon Houston, Kelley, Edward Havener, Kenniston, Irving Chase, Lyford, Albert Lewis, Morey, Elmer Lake, Morrill, Edmund Needham, Norton, Jay Pearl, Owen, John Wesley, Jr., Packard, Robert Messer, Peirce, Varna John, Peirce, William Bridgham, Pierce, William Barron, Reed, Fullerton Paul, Rowell, Herbert Burns, Sawyer, Frank Wade, Swan, Clarence Buzzell, Tirrill, Leonard Alexander, Wallace, Chester Jay, Webber, Gilman Hodgdon, White, Ambrose Harding, White, Mark Elmer,

Wight, Ralph Holbrook,

Rockland.
Rockland.
Livermore Falls.
Lincoln.
Jackson.
Oldtown.
Gorham.
Canaan.
Boothbay.

Upton.

Boothbay.
Cape Elizabeth.
Stillwater.
Rockland.
Bangor.
Rumford.
Rockland.
Belfast.
Boothbay.
Corinna.

Colombo, Ceylon. Deering.

York Corner.
Saco.
Rockland.
Hudson.
Hudson.
Springvale.
Boothbay.
Solon.
Milford.
Oldtown.
Holden.

East Boothbay.
Bucksport.
Ashland.
Belfast.

Jackson.

SPECIAL COURSE.

Collins, Frank Percy,	Fort Fairfield.
Folsom, Arthur Melville,	Oldtown.
Marsh, Alfonso Frank,	Bradley.
Sargent, Abram Woodard,	Bangor.
Turnbull, Ernest Hatheway,	St. John, N. B
Webb, Fred Hamlin,	Skowhegan.

SUMMARY.

Post Graduate,	1	Sophomores,	21
Seniors,	20	Freshmen,	38
Juniors,	26	Special,	6
		Total,	112

PRIZES FOR 1886.

- Prentiss Prize, for best Junior Essay, awarded to John S. Williams of Guilford.
- Prentiss Prize, Sophomore Declamation, first rank, awarded to C. Lorraine Howes of Boston, Mass.
- Prentiss Prize, Sophomore Declamation, second rank, awarded to Ralph H. Marsh of Bradley.
- Libbey Prize, for best Agricultural Essay, awarded to Austin D. Houghton of Fort Fairfield.

MILITARY DEPARTMENT.

COBURN CADETS.

Field and Staff-

Second Lieutenant Charles L. Phillips, 4th U. S. Artillery, Commanding.

Cadet D. W. Colby, Lieutenant and Adjutant.

Cadet E. V. Coffin, Lieutenant and Quartermaster.

Cadet H. Butler, Sergeant Major.

	Co. A.	Co. B.
Captain	L. V. P. Cilley	J. H. Burleigh.
1st Lieutene	antC. T. Vose	J. S. Williams.
2d "	H. A. McNally	H. S. Webb.
3d "	B. E. Clark	F. E. Trask.
1st Sergean	t A. H. Buker	C. L. Howes.
2d "	William Philbrook	G. S. Bachelder.
3d "	D. E. Campbell	S. F. Miller.
4th "	E. H. Elwell, Jr	C. D. Blanchard.
1st Corpora	<i>il</i> J. Reed	C. G. Cushman.
2d "	A. J. Coffin	J. W. Edgerly.
3d "	F. P. Briggs	G. S. Vickery.

DESIGN OF THE INSTITUTION.

It is the design of the Maine State College of Agriculture and the Mechanic Arts to give, at a moderate cost, the advantages of a thorough, liberal and practical education. It seeks to do this by means of approved methods of instruction, and especially by making prominent the system of practically applying in the drawing-room, in the laboratory, in the shop and in the field, the lessons of the class-room. It thus endeavors to make its courses of high practical value.

By the act of Congress granting public lands for the endowment and maintenance of such colleges, it is provided that the leading object of such an institution shall be, "without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to Agriculture and the Mechanic Arts."

While the courses of study fully meet this requisition, and are especially adapted to prepare the student for agricultural and mechanical pursuits, it is designed that they shall be also sufficiently comprehensive, and of such a character, as to secure the discipline of mind and practical experience necessary for entering upon other callings or professions.

CONDITIONS OF ADMISSION.

Candidates for admission to the Freshman Class must be not less than fifteen years of age, and must pass a satisfactory examination in Arithmetic, Geography, English Grammar (especial attention should be given to Orthography, Punctuation and Capitals), History of the United States, Algebra as far as Quadratic Equations, and Plane Geometry.

After June 1st, 1888, the conditions of admission will include, in addition to the above requirements, Physical Geography, Book-Keeping and Algebra to Logarithms.

Although the knowledge of Latin is not required as a condition of admission, yet the study of this language is earnestly recommended to all who intend to enter this Institution.

Candidates for advanced standing must sustain a satisfactory examination in the preparatory branches, and in all the studies previously pursued by the class they propose to enter.

Satisfactory testimonials of good moral character and industrious habits will be rigidly exacted. They should be presented on the day of examination.

The day after Commencement, which is the last Wednesday of June, and the day of the beginning of the first term, are the appointed times for the examination of candidates at the College.

Arrangements have been made by which applicants accommodated by the plan may pass examination for admission without incurring the expense of coming to Orono. The gentlemen named below have been appointed examiners for the sections of the State in which they severally reside:

C. P. Allen, B. S.,

H. M. Estabrooke, B. S.,

E. S. Danforth, B. S., S. W. Gould, B. S.,

O. C. Farrington, B. S.,

Henry K. White, A. M.,

Charles A. Black, A. M.,

Rev. W. R. Cross,

W. R. Howard, B. S.,

I. C. Phillips, A. B.,

Hon. N. A. Luce,

W. R. Whittle, A. B.,

W. E. Sargent, A. M.,

Presque Isle. Gorham.

Skowhegan.

North Bridgton.

Newcastle.

East Machias.

Milltown, N. B.

Bethel.

Wilton.

Augusta.

Hebron.

Examiners will indicate to parties applying, the time and special place of examination. Arrangements have also been made with the Seminary at Bucksport and with the Academy at Hampden, by which students from these institutions may be admitted to the College on certificate of qualification from the respective Principals.

All candidates, wherever they may arrange to be examined, should make early application to the President of the College. Applications will be recorded and regarded in the order of their reception.

COURSES OF INSTRUCTION.

Five full courses are provided, viz: A course in Agriculture, in Civil Engineering, in Mechanical Engineering, in Chemistry, and in Science and Literature.

The studies of the several courses are essentially common for the first year, and are valuable not only in themselves, but also as

furnishing a necessary basis for the more technical studies and the practical instruction of the succeeding years.

Physical Geography, taught in the first term of the Freshman year, serves as a suitable introduction to Geology, which is taken up later in each of the courses. Physiology serves as an introduction to Comparative Anatomy, and Algebra, Geometry and Trigonometry are needful preliminaries to the higher mathematics and the practical applications required in Surveying, Engineering proper and Astronomy. Botany, Chemistry and Physics are highly important branches, common to all the assigned courses, and hence taken by all the students who are candidates for degrees.

Rhetoric, French and English Literature form the early part of the line of studies which later includes German, Logic, History of Civilization, United States Constitution, Political Economy, and Mental and Moral Science, branches, several of which relate not more to literary culture than to social and civil relations, and to the proper preparation for the rights and duties of citizenship.

Composition and Declamation are regular exercises in all the courses throughout the four years. For the characteristic features of each course reference is made to the explanatory statements following the several schemes of study.

SPECIAL COURSES.

Students may be received for less time than that required for a full course, and they may select from the studies of any class such branches as they are qualified to pursue successfully. Students in Special Courses are not entitled to degrees, but may receive certificates of proficiency.

DEGREES.

The full course in Civil Engineering entitles to the Degree of Bachelor of Civil Engineering; the full course in Mechanical Engineering, to the Degree of Bachelor of Mechanical Engineering; the full course in Agriculture, Chemistry, or Science and Literature, to the Degree of Bachelor of Science.

Three years after graduation, on presentation of a satisfactory thesis with the necessary drawings, and proof of professional work or study, the Bachelors of Civil Engineering may receive the Degree of Civil Engineer; the Bachelors of Mechanical Engineering, the Degree of Mechanical Engineer; the Bachelors of Science, the Degree of Master of Science.

COURSE IN AGRICULTURE.

FIRST YEAR.

First Term.

Second Term.

Physical Geography. Physiology.

Rhetoric and Botany Algebra and Geometry.

Algebra.

French.

P. M. Labor on Farm.

P. M. Book-Keeping and Labor on Farm.

SECOND YEAR.

First Term.

Second Term. Descriptive Astronomy and Survey-

Botany.

General Chemistry.

ing or (L) History of England. Physics.

French.

Trigonometry.

Qualitative Chemistry. P. M. Mechanical Drawing. Field Work and Forge Work.

P. M. Free-Hand Drawing.

THIRD YEAR.

First Term.

Second Term.

Agricultural Engineering, including Agricultural Chemistry, Landscape Farm Implements, Farm Drainage and Mechanical Cultivation of the

Gardening, Horticulture and Arboriculture.

Soil, Physics.

Zoology and Entomology.

Agricultural Chemistry.

German.

English and American Literature. German.

P. M. Laboratory Work and Experimental Farming or *Analysis of English Authors.

P. M. Laboratory Work or *Analysis of English Authors and Translations from the French.

FOURTH YEAR.

First Term.

Second Term.

Stock Breeding and Veterinary Cultivation of Cereals, Care and Science.

Feeding of Animals, Dairy Farming and Sheep Husbandry.

Comparative Anatomy. History of Civilization.

Mineralogy and Geology. U. S. Constitution and Political

Logic.

Economy.

P. M. Experimental Farming and Agricultural Botany or *Transla- Mental and Moral Science. tions from German.

^{*}To be taken in Course in Science and Literature in place of study preceding.

EXPLANATORY STATEMENTS.

This course is designed to fit young men to follow Agriculture as a profession with success, as well as as to prepare them for the intelligent performance of the duties of citizenship.

To this end, the curriculum of studies is largely scientific and technical, not omitting, however, those branches that have been referred to as pertaining to social and civil relations.

The instruction in Agriculture is given largely by lectures, and embraces subjects of great practical importance to the farmer, which are briefly explained under the following heads:

Agricultural Engineering.—Combined with recitations in mechanics from a text-book, lectures are given on the principles of construction and use of farm implements, illustrated by charts to the extent possible, on the construction of roads, culverts and masonry, and on soil physics, or the relations of the soil to heat and moisture, the mechanical conditions of the soil best adapted to plant growth, and the objects to be gained by cultivation.

Agricultural Chemistry. — Under this head are considered the various methods of retaining and increasing the fertility of the soil, the sources, composition and methods of valuation of commercial and farm manures, together with the principles governing their treatment and application, the composition of cattle foods, their changes and uses in the animal system, and the value and economic use of the various kinds of fodders.

Landscape Gardening. — The object of this study is to furnish correct ideas of the manner of laying out and beautifying grounds. This subject is followed by lectures on Horticulture and Arboriculture.

Cultivation of Cereals.—Lectures are given upon the best methods of cultivating the principal farm crops.

Dairy Farming.—This embraces the chemical and physical properties of milk, and the principles and practical operations that underlie its production and manufacture into butter and cheese.

Sheep Husbandry.—The characteristics and comparative merits of our different breeds of sheep are discussed, also their adaptability to different conditions and uses.

Botany. — Following recitations and practical work in Botany, lectures are given upon fungi injurious to the farmer.

Chemistry.—One term is devoted to General Chemistry, two terms to Agricultural Chemistry, one-half term to Organic Chemistry, and

the afternoons of several terms are devoted to laboratory practice, including analyses of farm products.

Zeology and Entomology.—In Zoology, the larger groups of the animal kingdom are taken up and described in lectures which are illustrated by means of diagrams, models, or the objects themselves, and the students are required to make critical studies of typical animals of each group. Such laboratory practice is regarded an indispensable training for the more advanced study of the higher animals, and also forms the basis of the study of Historical Geology.

The studies in Entomology are conducted in a similar manner. After a general review of the orders has been given, illustrated by such common insects as are familiar to all, the beneficial and injurious are taken up more in detail, their round of life described, together with the injuries they do to the products of the farmer, the gardener and the fruit raiser, as well as to our forests and building materials, and the best known means of keeping them in check. For the purpose of making the instruction as practical and impressive as may be, many of the injurious insects are carried through their transformations in the class-room, where each student can note the various changes from day to day, and learn to recognize these insect enemies in any stage of their existence; and each member of the class is required to devote some time in field-collecting, and in observing the habits and work of insects in nature.

The subject of Bee-Keeping is taken up quite at length; the different kinds of bees in a swarm, their habits, anatomy, and the mode of collecting the different products are all described and illustrated by means of elaborate models, while artificial swarming, the mode of hybridizing a swarm, and the advantages of the same, with the most approved methods now in use for the care and management of bees, are also fully described.

Comparative Anatomy.—Under Comparative Anatomy are taken up the anatomy and physiology of our domestic animals, together with a brief outline of our wild animals, so far as time permits. This is followed by instruction in Stock Breeding and Veterinary Science.

Mineralogy and Geology.—A preliminary course of lectures is given on Mineralogy, followed by laboratory practice in the determination of minerals, and in Lithology, special attention being called to gypsum, limestone, and such other minerals as are of direct importance to the students of Agriculture.

The instruction in Geology is by means of illustrated lectures and excursions, critical attention being given to the origin and formation of soils.

Law.—A course of lectures is given to the Senior Class on International and Rural Law.

Throughout the course, the endeavor is made to inculcate established principles in agricultural science, and to illustrate and enforce them to the full extent admitted by the appliances of the laboratory and the farm. So far as possible, students are associated with whatever experimental work is carried on, that they may be better fitted to continue such work in after life.

Those who complete this course receive instruction also in Mathematics, French, German, English Literature, Logic, United States Constitution, Political Economy, and Mental and Moral Philosophy, and on presenting satisfactory theses upon some agricultural topic, are entitled to the degree of Bachelor of Science.

The Course in Science and Literature includes French and German, the general, mathematical, and most of the scientific studies of the agricultural course. Instead of certain branches quite purely technical in the latter course, History, and English and American Literature are substituted.

In the special laws of the State, passed in 1872, it is provided that young ladies "who possess suitable qualifications for admission to the several classes may be admitted as students in the college."

In arranging the course in Science and Literature, reference has been had to this enactment. From this course, however, young men who desire it are not excluded, as, on the other hand, young ladies are not excluded from any of the other courses.

COURSE IN CIVIL ENGINEERING.

FIRST YEAR.

First Term.

Second Term.

Algebra.

Physical Geography.

Physiology.

P. M. Labor on Farm.

Algebra and Geometry. Rhetoric and Botany.

French.

P. M. Book-Keeping and Labor on

Farm.

SECOND YEAR.

First Term.

Trigonometry.

General Chemistry. French.

P. M. Free-Hand Drawing.

Mechanical Drawing.

Second Term.

Descriptive Geometry. Descriptive Astronomy and Survey-

ing. Physics.

Qualitative Chemistry.

P. M. Mechanical Drawing and Field Work.

THIRD YEAR.

First Term.

Second Term.

Henck's Field Book. Analytical Geometry.

Physics. German.

P. M. Field Work and Drawing.

Mechanics.

Calculus. German.

ifications.

Mineralogy and Geology.

P. M. Isometric and Cabinet Projection and Perspective.

FOURTH YEAR.

First Term.

Second Term. Civil Engineering, Designs and Spec-

Civil Engineering. Stereotomy.

Practical Astronomy.

Logic.

Zoology.

P. M. Topography and R. R. Sur- U.S. Constitution and Political Econveying.

omy. P. M. Analytical Chemistry, De-

signing and Thesis Work.

EXPLANATORY STATEMENTS.

The object of this course is to give the student a thorough knowledge of Higher Mathematics, Mechanics, Astronomy and Drawing, and, at the same time, a thorough drill in the use and care of the ordinary engineering instruments and in the application of the mathematical principles and rules, so that the graduates can at once be made useful in engineering work and be fitted, after a limited amount of experience in the field, to fill positions of importance and trust. The course is also arranged so as to afford, so far as can be, the education required to prepare the graduate for a responsible position among men, as well as among engineers.

In this course the work is identical with that of the other courses during the first year. During the fall term of the Sophomore year, students in this course work two hours each afternoon, in the drawing room, on free-hand and mechanical drawing. In the last term of this year, the subject of land surveying is taken up. The first eight weeks are devoted to tinting, shading, etc., in water colors, while the remaining twelve weeks are given to practical surveying. Besides an hour's recitation each day, the class is engaged two hours, either in the field or drawing room, becoming familiar with the use and care of instruments, putting into practice the problems found in the text-book, and making actual surveys.

In the first term of the Junior year, Henck's Field Book is used as a text-book, from which the student obtains methods of running railroad curves, putting in switches and turnouts, setting slope-stakes, and the calculation of earthwork. This is supplemented with examples worked by the student, and lectures on levelling, preliminary and final surveys and on the resistance to trains offered by grades and curves, together with the theory and construction of country roads, streets and pavements. These methods of the text-book, so far as possible, are applied in the field and the drawing room, each student in the course being required to work two hours, either in the field or drawing room, every day.

The subject of Applied Mechanics is taken up the last term of this year, in which the students receive a thorough training in the principles underlying construction, illustrated as far as possible by practical examples, in which these principles are applied. During this term, each student in the class works two hours each day in the drawing room, where isometric, cabinet and perspective projection are taught by means of lectures and problems drawn by the students.

During the Senior year, Rankine's Civil Engineering is the text-book employed, though other works are used for reference. Besides these, much material is given in the form of lectures and notes on the blackboard.

In the first term of this year the principles of the strength of material are taken up, supplemented by information as to durability, preservation and fitness for special purposes. The principles of hydraulics, as applied in engineering, the theories of ties, struts, beams, foundations, retaining walls and arches, are fully treated.

Stone cutting is taken up this term, by lectures and practical problems, each student being required to make a complete set of working drawings of the most common forms of masonry arches.

Six weeks of this term are devoted to sanitary engineering; especial attention being given to ventilation, heating, purity of water supply and the proper drainage of houses and towns.

Also the subjects of topographical and railroad surveying are taken up this term and illustrated by a topographical survey of a portion of the College farm, and by the preliminary and final surveys for a railroad extending from the College grounds to some point on the E. & N. A. railroad, together with the drawings, calculations of earthwork and estimate of cost of building and equipping.

The first part of the last term of this year is devoted to the theory of roof and bridge trusses, lectures on the locomotive engine and a short course in Analytical Chemistry, while the greater part is given to the application of the principles already learned, to the designing and calculation of various kinds of engineering structures, and to making out estimates and specifications.

This, together with the preparation of a satisfactory thesis, completes the work in the course of Civil Engineering.

MINERALOGY AND GEOLOGY.

Mineralogy is taught by an introductory course of lectures, followed by laboratory practice in the determination of minerals and rocks, especial attention being given to their value for building purposes. This is immediately followed by a course of lectures in Geology, together with excursions for the purpose of studying the

rocks in situ, and also superficial deposits. Critical examinations are made in various railroad cuts, of the hardness, slaty structure, jointed structure, etc., as bearing upon the cost of excavation.

ASTRONOMY.

In the first part of the spring term, Descriptive Astronomy is taken by the students of the Sophomore Class, and Practical Astronomy during the larger part of the first term, Senior year.

The course in Astronomy is designed to enable students to determine with accuracy geographical positions. The principal instruments employed are chronometer, sextant, transit, and for work of precision, the Repsold vertical circle, an instrument made in Hamburg, Germany, in 1874, for this Institution. Practical instruction is given in the use of these instruments, and in the most approved methods of reducing observations for the determination of latitude and longitude.

DEGREES.

Students in this department secure the degree of Bachelor of Civil Engineering on graduating, with the full degree of Civil Engineer three years after, on presentation of a satisfactory thesis, with proof of professional work or study.

COURSE IN MECHANICAL ENGINEERING.

FIRST YEAR.

First Term.

Second Term.

Algebra.
Physiology.
Physical Geography.
P. M. Labor on Farm.

Algebra and Geometry. Rhetoric and Botany.

French.

P. M. Book-Keeping and Labor on Farm.

SECOND YEAR.

First Term.

Second Term.

Trigonometry.
French.
General Chemistry.
P. M. Carpentry.

Descriptive Geometry. Free-Hand Drawing. Descriptive Astronomy. Physics. Qualitative Chemistry.

P. M. Mechanical Drawing and Forge Work.

THIRD YEAR.

First Term.

Second Term.

Kinematics.
Analytical Geometry.
Vise Work, Physics.
P. M. Machine Drawing.

Calculus.Elements of Mechanism.Link and Valve Motions.P. M. Isometric and Cabinet Projection and Machine Drawing.

Mechanics and Machine Design.

FOURTH YEAR.

First Term.

Second Term.

Steam Engineering.
Practical Astronomy.
Logic.

P. M. Machine Drawing and Designing.

Mineralogy and Geology.
Wood Turning.
Steam Engineering.
Hydraulic Engineering.
U. S. Constitution and Political

Economy.

P. M. Machine Drawing, Designing and Thesis Work.

EXPLANATORY STATEMENTS.

It is the design of this course to give such a knowledge of Mathematics, Mechanics, Principles of Mechanism, Drawing and Manual Art as shall enable the student successfully to enter practical life as an engineer, with the same thorough education in subjects required to fit him for the general duties of life as is afforded by the other courses.

The first two years' work is identical with that of the students in Civil Engineering, except that carpentry and forge work are taken the second year in place of part of the drawing. In the Junior year, the first term is devoted to the geometry of machinery, showing the students how different motions may be obtained independently of the power required. Special attention is here given to the subject of gearing, and a full set of problems worked out, illustrating cases commonly occurring in practice. In the second term of this year the subject of the geometry of machinery is continued by lectures on other methods of transmitting motion, as by belts, cams, couplings, and links. Considerable time is given to the study and designing of the various valve and link motions used on the steam engine. During the same term instruction is given in mechanics and the laws of the strength of materials, the student being required to design machine details in accordance with those laws.

The first part of the first term, Senior year, is employed in studying the laws of the expansion of steam, and their influence upon the construction of steam engines and boilers, the subject being illustrated by experiments on the shop engine, with the aid of an indicator. During the remainder of the term, the students are engaged in designing engines and other machines, and in making detail drawings of the same, such as would be required to work from in the shop.

During the last term, Senior year, the study of steam engineering is continued in its application to compound engines, and the subject of hydraulic engineering is taken up briefly, by lectures on the storage of water for power and the theory and construction of modern water wheels.

TEXT-BOOKS AND BOOKS OF REFERENCE.

Weisbach,	Mechanics of Engineering.	Smith,	Steam Engine.
Goodeve,	Elements of Mechanism.	Smith.	Steam Boilers.
MacCord,	Kinematics.	Trowbridge,	Steam Boilers.
MacCord.	Slide Valve.	Zeuner.	Valve and Link Motions.
Van Buren, Knight,	Strength of Machinery. Mechanical Dictionary.	Auchineloss, Clark,	Valve and Link Motions. Manual.

SHOP WORK.

There are now three shops equipped according to the Russian system, and work in these is required of all students in this course. The first term of the Sophomore year, two hours of each day are devoted to work in carpentry, special attention being given to accuracy of workmanship.

During the second term of the same year, the student receives instruction in forge work, including the welding and tempering of steel. A course in vise work during the first term of the Junior year gives the student practice in the various methods of shaping and fitting metals by the use of the chisel, hack-saw and file. During their second term, the Junior students in this course take turns in running the shop engine, and are taught the rules of safety and economy in this branch of engineering. Instruction in wood-turning is given during the last term of the Senior year.

DRAWING.

The work in drawing commences with a course in Free-Hand and Elementary Mechanical Drawing, extending through the Sophomore year.

The first term of the Junior year, the student spends the time allotted to drawing in working out practical problems on the construction of gear teeth, cams, etc., and in elementary practice in line-shading and tinting.

The second term of this year is devoted to isometric projection, and the making of finished drawings in ink and in water colors. In the first term of the Senior year, the student prepares an original design of some machine, makes working drawings of its details on tracing cloth, and finally prepares copies by the blue-print process. The afternoon work of the spring term consists of making calculations for designs of engines and boilers, the construction of the necessary working drawings, and making thesis drawings.

The remarks under Course in Civil Engineering, with regard to Astronomy, Mineralogy and Geology, apply also to this course, and to them reference is made.

Theses are required of all students as a condition of graduation, and must be on some subject directly connected with Mechanical Engineering.

Students in this course receive the degree of Bachelor of Mechanical Engineering upon graduation, with full degree of Mechanical Engineer three years afterwards upon presentation of a satisfactory thesis and proof of professional work or study.

COURSE IN CHEMISTRY.

FIRST YEAR.

First Term.

Second Term.

Physical Geography. Physiology.

Rhetoric and Botany.

Algebra and Geometry.

Algebra.

French.

P. M. Labor on Farm.

P. M. Book-Keeping and Labor on Farm.

SECOND YEAR.

First Term.

Second Term.

General Chemistry.

Qualitative Chemistry.

Botany. French.

Physics.

Trigonometry.
P. M. Free-Hand Drawing.

Descrip. Astronomy and Surveying. P. M. Mechanical Drawing and Field

Work.

THIRD YEAR.

First Term.

Second Term.

Chemistry.

Chemistry.

Physics.

Zoology and Entomology.

German.

German.

English and American Literature. P. M. Laboratory Work.

P. M. Laboratory Work.

FOURTH YEAR.

First Term.

Second Term.

Chemistry.

Chemistry.

Comparative Anatomy.

Mineralogy and Geology.

History of Civilization.

U. S. Constitution and Political

Logic.

Economy.

P. M. Laboratory Work.

P. M. Laboratory Work.

EXPLANATORY STATEMENTS.

This course aims to supply a want felt by students who wish to enter certain industries in which a somewhat extensive knowledge of Chemistry is important. The first two years are mainly like those of the other courses, Qualitative Analysis being, however, obligatory for these students in the second term of the Sophomore year.

During the Junior year, daily recitations are held in advanced Inorganic Chemistry. In the Senior year, advanced Organic Chemistry is taken up. The afternoons are devoted to Quantitative Chemical Analysis by the Junior and Senior students of the course. The work consists of the most useful gravimetric and volumetric methods, beginning with the simple estimations, which are followed by more complex analyses of alloys, minerals, fertilizers, farm products, &c. A short course in the assay of gold and silver is also given.

The class-room text-books used by this department are: Roscoe's Lessons in Elementary Chemistry and Naquet's Principes de Chimie. In the Laboratory are used: Craft's Qualitative Chemical Analysis, Fresenius' Quantitative Chemical Analysis, Caldwell's Agricultural Chemical Analysis, Wohler's Mineral Analysis, J. A. Wanklyn's Milk Analysis, Flint's Examination of Urine, and Rickett's Notes on Assaying.

Valuable books of reference are found in the library.

Students taking qualitative analysis must furnish a deposit of at least five dollars when they begin; those taking quantitative analysis are required to deposit at least seven dollars. Students taking the Course in Chemistry or an extended course in quantitative analysis are expected to provide themselves with a small platinum crucible.

The students, after passing all the required examinations and presenting satisfactory theses upon some chemical subject, graduate with the degree of Bachelor of Science.

Post graduate and special students can make arrangements with the Professor of Chemistry for an advanced or special course of laboratory work and recitations.

TABLE OF HOURS—FIRST TERM.

FRESHMEN.	Chapel Services.	Physical Geography.	Algebra.		Physiology.	Labor on Farm. Military Exercises.	; V, Science and Lit.
SOPHOMORES.	Chapel Services.	General Chemistry.	Botany, I, IV, V.	French.	Trigonometry.	Free-hand Drawing, I, II, IV, V. Mechanical Drawing, II. Carpentry, III. Military Exercises.	g.; III, Mech Eng.; IV, Chemistry
JUNIORS.	Chapel Services.	II, III. Literature, I,		Stereotomy, I. (F. of r.) Sanitary Engineering, II. (L. of r.) Physics, I, II, III, IV, V. (L. of r.) Steam Engineering, III.	Agricultural Chemistry, I. (Optional Trigonometry. Vise Work, III. Advanced Chemistry, IV. (Optional for V.) Field Book, Roads and Railroads, II.	Laboratory work, I, IV. Field work and Drawing, II. Machine Drawing, III. Translations from French and English Literature, V. Military Exercises.	Nore Roman numerals refer to courses as follows: I, Agriculture; II, Civil Eng.; III, Mech Eng.; IV, Chemistry; V, Science and Lit.
Seniors.	8.00 A. M. Chapel Services.	8.15 A. M. History of Civilization, I, IV, V. Givil Engineering, IL.	Stock Breeding and Veterinary Sci. German, I, II, IV, V. onco, I. Practical Astronomy, II, III, V. (R. of T)	Stereotomy, II. (F. of r.) Sanitary Engineering, II. (L. of r.) Comparative Anatomy, I, IV, V. Steam Engineering, III.	Logic, I, II, III, IV, V.	Laboratory and Rarm Practice, I. Designing and Drawing, II, III. Topography and R. R. surveying, III. Laboratory work, IV. Translations from German, V. Military Exercises.	Roman numerals refer to courses as
LOCAL TIME.	8.00 A. M.	8.15 A. M.	9.10 A. M.	10.65 A.M.	11.00 A.M.	P. M.	Nore.

TABLE OF HOURS-SECOND TERM.

-	FRESHMEN.	es.	F. of T.)	Book-keeping. (r. of r.) Botany. (L. of r.)		Geometry.	TC.
-	FRES	Chapel Services.	Rhetoric, (F. of T.)	Book-keeping. (r. Botany. (r. of r.)	French.	Algebra and Geometry.	Labor. Wilitary Exercises.
	Sophomores.	Chapel Services.	Descriptive Astronomy. (F. of T.) Surveying, (L. of T.) I, II, IV, V. History of England, [L.] (L. of T.)	Qualitative Analysis. Free-hand Drawing, (F. of T.) III. Descriptive Geometry. (L. of T.) II, III.	Qualitative Analysis. Descriptive Geometry, II, III.	Physics.	Mechanical Drawing. Forge work, I. II. IV, V. (L. of r.) Military Exercises.
	JUNIORS.	Chapel Services.	Calculus, II, III. Agricultural Chemistry, I, (Optional Surveying, (L. of T.) I, II, IV, V. for V.) Advanced Chemistry, IV. (Optional for V.)	German, I, II, IV, V. Mechanics and Machine Design, III.	1	Zoology and Entomology, I, IV, V. Link and Valve Motions, III. (L. of r.) Elements of Mechanism, III. (F. of r.)	Laboratory work and Garden Practice, I Isometric and Cabinet Projection, and Perspective, II, III. Laboratory work, IV. Translations from French, V.
	SENIORS.	8.00 A. M. Chapel Services.	Mineralogy and Geology.	Mental and Moral Science, I, V Civil Engineering, II. (r. of r.) Lectures on Designs, Contracts and Specifications, II. (r. of r.) Laboratory work, IV. Drawing and Wood-turning, III.	Oultivation of Cereals, Care and Feed-Applied Mechanics, II. (r of r.) ing of Animals, etc., I. Graphic Statics, II. (t of r.) Zoology, II. Scology, II. Steam Engineering & Hydraulics, III.	U. S. Constitution and Political Economy, I, II, III, IV, V.	Machine Drawing, Designing and Laboratory work and Garden Prac- Thesis work, II. Laboratory work, IV. If, (r. of r.) Esspective, II. III. Designing and Thesis work, II. Translations from German, V. Military Experience Mechanical Drawing. Forge work, Laboratory work, IV. Perspective, II. III. Translations from German, V. Military Experience Mechanical Drawing. Forge work, Laboratory work, IV. Perspective, IV. Translations from German, V. Military Experience
-	LOCAL TIME.	8.00 A. M.	8.15 A. M.	9.10 A. M.	10.05 A.M.	11.00 A.M.	P. M.

LABOR.

It is a characteristic feature of the College, that it makes provision for labor, thus combining practice with theory, manual labor with scientific culture.

The maximum time of required labor is three hours a day for five days in the week.

The larger part of the labor is educational and for such labor no compensation in money is made. Students in the lowest class perform non-educational labor when required by the College and receive compensation, according to their industry, faithfulness and efficiency. The maximum price paid is ten cents an hour. In arranging for compensated labor, it should be understood that the College does not engage to furnish opportunities for such labor continuously, but rather as the farm and other interests require.

The students of the three upper classes carry on their principal labor in the laboratory, the drawing rooms, the workshops, or in the field, and for such labor they receive no pecuniary consideration, since it is of a purely educational character.

MILITARY INSTRUCTION.

Thorough instruction in Military Science is given by an officer detailed by the Secretary of War from the active list United States Army, and is continued throughout the entire course. All able-bedied male students receive instruction in the school of the soldier, company and battalion drill. Arms and equipments are furnished by the United States Government. The uniform, furnished by students, is a dark blue blouse similar to the regulation blouse of an army officer, but with State of Maine buttons and gilt braid on cuff, and for officers with chevrons and shoulder straps of red and gold; the pants of cadet gray with dark blue stripes, one and one-fourth inches wide, on outside seams; the cap blue with gold wreath ornament. The uniform is required to be worn during military exercises, and it is recommended that it be worn at recitations and at other class and general College exercises.

LOCATION.

The College has a pleasant and healthful location, between the villages of Orono and Stillwater, about a mile from each. Stillwater

River, a tributary of the Penobscot, flows in front of the buildings, forming the western boundary of the College farm, and adding much to the beauty of the surrounding scenery.

The Maine Central Railroad, over which trains pass many times each day, has a station at the village of Orono. The College is within nine miles of the city of Bangor, and is consequently easily accessible from all parts of the State.

FARM AND BUILDINGS.

The College farm contains three hundred and seventy acres of land, of high natural productiveness, and of great diversity of soil, and is therefore well adapted to the experimental purposes of the Institution.

White Hall, the building first erected, affords excellent accommodations for a limited number of students. The lower rooms of this building are appropriated to general and class purposes.

Brick Hall contains forty-eight rooms, and has connected with it a boarding-house for students. With these buildings, the Institution furnishes desirable accommodations for one hundred and twenty-five students.

The Laboratory contains two apparatus rooms, a lecture room, a cabinet, a library and weighing room, a recitation room, and rooms for analytical and other purposes, and is in all respects admirably adapted to the wants of the chemical and mineralogical departments.

The shop, built during the summer of 1883, is equipped for instruction in three departments of mechanical work, viz: filing, forging and working in wood.

APPARATUS.

The College is furnished with valuable apparatus for the departments of Physical Geography, Chemistry, Physics, Surveying, Civil Engineering and Mechanical Engineering, to which additions are made as the exigencies of the several departments require. Models have been made by instructors and students and others have been purchased that serve for purposes of instruction.

LIBRARY.

The library contains nearly five thousand volumes, a large part of which has been obtained through the generosity of the late Ex-

Governor Coburn. Valuable additions have also been made to it by other friends of the College, only a small number of the volumes having been purchased with money appropriated by the State. It is earnestly hoped that so important an auxiliary in the education of the student will not be disregarded by the people of the State, and that liberal contributions will be made to the library, not only of agricultural and scientific works, but also of those profitable to the general reader.

The following periodicals are supplied by the College to the library:
American Journal of Science and Art, Popular Science Monthly,
National Live Stock Journal, American Agriculturist, Journal Royal
Agricultural Society (England), Journal Franklin Institute, Eclectic
Engineering Magazine, Century Magazine, Atlantic Monthly, Harper's Monthly Magazine, North American Review, Education, American Machinist, Science, American Naturalist, Botanical Gazette.

READING ROOM.

The reading room is supplied with a number of valuable newspapers and periodicals. Grateful acknowledgment is herewith made for the following papers, generously sent by the proprietors to the College:

American Cultivator, American Sentinel, Aroostook Republican, Gospel Banner, Home Farm, Kennebec Journal, Lewiston Journal, Maine Farmer, Maine Industrial Journal, New England Farmer, Oxford Democrat, Piscataquis Observer, Portland Transcript, Somerset Reporter, Whig and Courier (Daily and Weekly), Zion's Herald, Official Gazette U. S. Patent Office, Bangor Daily Commercial, Farmington Chronicle, Phillips Phonograph, Springvale Advocate, Mount Desert Herald, Maryland Farmer, Dexter Gazette, Eastport Sentinel, Bee Journal, American Garden, Manufacturer and Builder, Mirror and Farmer, Temperance Record, The Industrialist (Kansas).

The following papers are furnished by subscription, principally by the students:

American Machinist, Cultivator and Country Gentleman, Colby Echo, Bowdoin Orient, Scientific American, Scientific American Supplement, Eastern Argus (furnished by S. W. Gould), American Naturalist, Blackwood's Magazine, Lewiston Evening Journal, Journal of Education, Sanitary Engineer, Science, Popular Science News, Boston Journal, Washington Post, Boston Herald, Harper's Weekly.

CABINET.

The natural history collections of the College include about nine hundred named and mounted species of the flowering plants of Maine; a collection of sections of tropical species of wood presented by the Department of Agriculture at Washington, and a similar collection of the United States species from the Census Bureau.

The College also has a working collection of carefully selected forms representing the prominent groups of the animal kingdom; a large and valuable collection of Maine insects, carefully mounted and authentically named, and a fine collection of marine animals in alcohol, mostly from the coast of Maine, donated to the College by the United States Fish Commissioner. The above collections, together with charts, diagrams, skeletons, models, microscopes and other apparatus for illustrating the studies in natural history, are on exhibition in White Hall.

In the Laboratory are a good series of the more common minerals and ores supplemented by a collection presented by the National Museum; a collection of building stones from many of the Maine quarries, and a collection presented by the Smithsonian Institution, together with a series of microscopical sections of building stones, given by G. P. Merrill, M. S. In the same room is exhibited a series of typical fossils which illustrate the various geological horizons, together with a collection of Indian stone implements, and various curiosities presented by the friends of the Institution.

PUBLIC WORSHIP.

All students are required to attend daily prayers at the College, and public worship on the Sabbath at some one of the neighboring churches, unless excused by the President.

EXPENSES.

Tuition is thirty dollars a year, divided equally between the two terms. The cost of material and repair of tools for the course of instruction in the vise shop is ten dollars; in the forge shop, nine dollars; in the wood shop, four dollars.

Laboratory expenses are at cost of glass ware broken, injury to apparatus and chemicals used. A deposit of five dollars is required of students entering upon a term's work in Qualitative Analysis, and of seven dollars per term from students in Quantitative Analysis. Room rent is four dollars for the first term and five dollars for the second term of the college year.

Students residing too far from the College to *live* at home are required to room and board at the College, unless special permission to live elsewhere be granted by the President. Students receiving such permission pay room rent and fuel rent as though residing at the College.

Bedding and furniture must be supplied by the students, who also furnish their own lights. Tables, chairs, bedsteads, sinks and husk mattresses can be purchased at the College at moderate rates.

The price of board is two dollars and sixty cents per week; washing averages not more than sixty cents per dozen.

The warming by steam of single rooms (each suitable for two occupants) has averaged for the past six years about eleven dollars a room for each term. The expense of heating recitation rooms and rooms for general purposes has been about two dollars a term for each student, and the incidental expenses, including pay for the services of janitor, pay for bringing mail, for cleaning and renovating rooms, for general repairs, &c., have been about three dollars per term for each student.

From the items given, with an allowance of a few dollars a year for necessary text-books, quite an accurate estimate of needful expenses can be made.

The College term bills are payable, one-half at the commencement, and the remainder at or before the close of each term.

As security for the payment of College bills, a bond of one hundred and fifty dollars with satisfactory securities is required. A blank form of bond will be given with the ticket of admission.

MEANS OF DEFRAYING EXPENSES.

The terms are so arranged that the long vacation occurs in the winter, that students may have an opportunity to teach during that time. The summer vacation is in the haying season, when farm labor is most profitable. By availing themselves of the opportunities thus afforded, together with the allowance for labor on the

College farm, industrious and economical students can cancel the greater part of their College expenses.

SCHOLARSHIPS.

The trustees make provision for the establishment of free scholarships by the following action:

Voted, That any individual or society paying to the Treasurer a sum not less than seven hundred and fifty dollars, shall be entitled to one perpetual free scholarship in the College.

GRADUATES.

CLASS OF 1872.

Benjamin F. Gould, C. E., Farmer......San Juan, California

Residence.

Navy Yard, Portsmouth, N. H.

Name and Occupation.

George E. Hammond, C. E., Civil Engineer,

Edwin J. Haskell, B. S., Silk Manufacturer Saccarappa
Heddle Hilliard, C. E., Civil Engineer Winn
Ebner D. Thomas, B. S., Civil Engineer Grand Rapids, Mich.
George O. Weston, B. S., FarmerNorridgewock
CLASS OF 1873.
Russell W. Eaton, C. E., Cotton Mill Engineer Providence, R. I.
George H. Hamlin, C. E., Professor State College, Orono
Fred W. Holt, C. E., Civil Engineer. G. S. R. R., St. George, N. B.
John M. Oak, B. S., Salesman Bangor
Charles E. Reed, C. E., Farmer
Frank Lamson Scribner, B. S., Ass't in Bot. Dep. of Ag.,
Washington, D. C.
Harvey B. Thayer, B. S., Druggist Monson
CLASS OF 1874.
William A. Allen, C. E., Chief Engineer, M. C. R. R Portland
Walter Balentine, M. S., Professor of Agriculture,
State College, Orono
William H. Gerrish, B. S., M. D., Physician Merrimac, Mass.
John I. Gurney, B. S., Farmer Dorchester, Mass.
David R. Hunter, B. S Oakland, Cal.
Louise H. Ramsdell, B. S., (wife of Milton D. Noyes, Farmer,)
Atkinson

Residence.

CLASS OF 1875.

Solomon W. Bates, C. E., Solicitor of Patents......Portland

Name and Occupation.

Wilbur A. Bumps, C. E., M. D., Physician
Samuel H. Clapp, C. E., Teacher
Lewis F. Coburn, C. E., TeacherCrescent City, Cal.
Charles W. Colesworthy, B. S
*Charles F. Durham, C. E, TeacherCrescent City, Cal.
Alfred M. Goodale, B. S., Supt. Cotton Mills Waltham, Mass.
Edson F. Hitchings, C. E., TeacherWarren, Mass.
Whitman H. Jordan, M. S., Director State Experiment Station,
Orono
Edward D. Mayo, M. E., Mill Furnisher and Draughtsman. Minneapolis, Minn.
Albert E. Mitchell, M. E., Mechanical EngineerAltoona, Penn.
Allen G. Mitchell, C. E., Civil Engineer, Pennsylvania Railroad,
Cornellsville, Pa.
*Fred W. Moore, B. S., Teacher
Luther W. Rogers, B. S., Merchant
Minott W. Sewall, M. E., Mechanical Engineer Wilmington, Del.
George M. Shaw, C. E., Principal of SchoolsOroville, Cal.
Wesley Webb, M. S., Editor Farm and HomeDover, Del.
*Edgar A. Work, C. E U. S. Military Academy
CLASS OF 1876.
Edmund Abbott, B. S., M. D., Physician Winterport
Charles P. Allen, B. S., Lawyer
Elbridge H. Beckler, C. E., Ass't Manager, U. P. R. R.,
Duluth, Minn.
Fred M. Bisbee, C. E., Civil Engineer Dexter
Fred M. Blanding, B. S., Editor Maine Industrial Journal, Bangor
Charles M. Brainard, B. S., Lumberman Skowhegan
*George H. Buker, B. S., ApothecaryPresque Isle
Florence H. Cowan, B. S., Teacher Orono
Oliver Crosby, M. E., Proprietor Machine ShopSt. Paul, Minn.
Vetal Cyr, B. S., Principal of Madawaska Training School, Fort Kent
Fort Kent

Name and Occupation.	Residence.
James E. Dike, C. E., U. S. Deputy Surveyor,	ks, Dakota Ter.
*Willis O. Dike, B. S	
Horace M. Estabrooke, M. S., Teacher, Normal S	
Arthur M. Farrington, B. S., Veterinary Inspecto	
Quarantine Station	_
George O. Foss, C. E., Ass't Engineer, N. P. R. R	
William T. Haines, B. S., L. L. B., Lawyer	
Henry F. Hamilton, B. S., D. D. S., Dentist,	
124 Commonwealth	Avenue, Boston
Newall P. Haskell, B. S., Farmer	Orono
Edward S. How, M. E., Book-Keeper	Portland
Philip W. Hubbard, B. S., Apothecary	Farmington
Samuel M. Jones, M. E., Engineer,	
Corliss Engine Works, I	
Albert A. Lewis, B. S., Clergyman	
Herbert A. Long, M. E., FarmerRoque	Island, Machias
Luther R. Lothrop, C. E. Draughtsman,	C. D. 1 751
U. S. Surveyor General's office,	
Nelson H. Martin, B. S., Teacher	
Charles E. Oak, M. E., Lumberman	
George D. Parks, C. E., Lawyer and Civil Engined Hayward Pierce, B. S., West Waldo Granite Work	
Frank R. Reed, C. E., Carpenter	
Henry J. Reynolds, B. S., Druggist	•
Charles W. Rogers, M. E., MachinistCh	_
William L. Stevens, M. E., Grain Dealer Mi	
John H. Williams, B. S., Government Surveyor	
<u> </u>	
CLASS OF 1877.	
Alvah D. Blackington, C. E., Civil Engineer	Dunmore, Pa.
Robert B. Burns, C. E., Merchant	
Eugene H. Dakin, B. S., Financial Agent, Industr	
	Bangor
Edward F. Danforth, B. S., Lawyer	Skowhegan
Augustus J. Elkins, B. M. E., City Engineer, Fer	
Alicia T. Emery, B. S., Teacher	Orono

Name and Occupation.	Residence.
Samuel W. Gould, B. S., Lawyer	Skowhegan
*Joseph C. Lunt, B. C. E., Civil Engineer,	
	El Paso, Texas
Fred F. Phillips, B. S., Lawyer	Bangor
*Samuel Shaw, B. M. E., Architectural Draug	ghtsman, Boston, Mass.
Frank P. Stone, B. S., Farmer	Livermore Falls
Thomas J. Stevens, B. M. E., Apothecary.	Portland
George E. Sturgis, B. C. E., Apothecary	Portland, Oregon
Charles E. Town, B. C. E., Government Surv	
James W. Weeks, B. M. E., Draughtsman.	
Nellie E. Weeks, B. S. (Mrs. Llewellyn Spe	•
Ivan E. Webster, B. S., Lumberman	West St. Paul, Minn.
CT 1 CO OT 1000	
CLASS OF 1878.	
Emma Brown, B. S., Teacher, (Mrs. Charle	es Gilman)Enfield
Andrew J. Caldwell, B. M. E., Mech. Engi	neerBrooklyn, N. Y.
Cecil C. Chamberlain, B. S., Merchant	Anoka, Minn.
George E. Fernald, B. C. E., Commercial Sa	lesman, Waterloo, Iowa
James Heald, B. S., Surveyor	Minneapolis, Minn.
John Locke, B. S Maine	Central R. R., Portland
Frank J. Oakes, B. C. E., Draughtsman	Brooklyn, N. Y.
John C. Patterson, B. C. E., Assistant Eng	ineer,
St. P., M. & M.	R. R., St. Paul, Minn.
Winfield E. Tripp, B. C. E., Commercial Sa	lesman, Madison, Wis.

CLASS OF 1879.

Harry P. Bean, C. E., Ass't Engineer, N. B. R. R.,

Woodstock, N. B.

Edward J. Blake, C. E., Ass't Engineer, C. B. & Q. Railway,

Chicago, Ill.

Simon P. Crosby, B. S., Lawyer St. Paul, Minn. John D. Cutter, B. S., Physician, 336 West Washington St.,

Chicago, Ill.

Name and Occupation.

Residence.

1000000000	
Wilbur F. Decker, B. M. E	n.
David A. Decrow, B. C. E., Draughtsman,	
Holly Man'f'g Company, Lockport, New Yo	rk
Willis E. Ferguson, B. S., Farmer San Gabriel, Californ	nia
Charles W. Gibbs, C. E Resident Engineer, C. M. R. R.,	
Colorado Springs, C	ol.
Annie M. Gould, B. S., Teacher, (Mrs. Loomis F. Goodale)	
Prairie du Chien, W	is.
*Nellie M. Holt, B. S., Teacher Oro	
Frank E. Kidder, C. E., ArchitectBoston, Mas	
Mark D. Libby, B. C. E., Civil Engineer Santa Fe, N. Mexi	
Charles S. Loring, B. M. E., Machinist,	00
C. & S. Water Motor Co., Aubu	rn
George P. Merrill, M. S., Curator, Nat. Museum, Washington, D.	
John W. Meserve, B. M. E., Mech. Engineer, Cambridgeport, Mas	
Arthur L. Moore, B. S., FarmerLimeri	
Charles A. Morse, C. E., Div. Engineer, A. T. & S. F. R. R.,	CK
Topeka, Kans	as
Fred D. Potter, B. M. E., Chief Engineer,	
Edison Electric Light Co., 65 5th Avenue, New York Alexandre B. W. F. Danield, R. W. G. W.	rĸ
Alton J. Shaw, B. M. E., Draughtsman, B. & S. Man'f'g Co.,	т
Providence, R.	
Percia A. Vinal, M. S., (Mrs. Albert White)	
George O. Warren, B. S., Farmer Fryebu	rg
Herbert Webster, B. S., Express Messenger,	
Bangor and St. John, N.	В.
CIT ACC OF 1000	
CLASS OF 1880.	
Horace W. Atwood, B. S., Veterinary SurgeonBrockton, Ma	ss.
James M. Bartlett, M. S., Analytical Chemist,	
Experiment Station, Oro	no
Albert H. Brown, B. S., Coal MerchantOldton	vn
Marcia Davis, B. S., Clerk, Office Registry of Deeds,	
West Bay City, Michig	
Fred B. Elliot, B. S., FarmerBowdo	in
	_

Name and Occupation.

Residence.

Sarah P. Farrington, B. S., (Mrs. George P. Merrill),

Washington, D. C.
Charles W. Fernald, B. S., Merchant Levant
Fred W. Fickett, B S., U. S. Signal Service Galveston, Texas
George W. Lufkin, B. C. E., Civil Engineer. Biddeford
Frank A. Mansfield, M. S., Clergyman. National City, California
Annie A. Matthews, B. S., Teacher. Stillwater
Henry W. Murray, B. C. E., Teacher Milton, California
Franklin R. Patten, C. E., Proprietor Steam Laundry. Bangor
Charles T. Pease, B. S., Civil Engineer. Denver, Colorado
James F. Purington, B. S., Farmer

CLASS OF 1881.

Henry H. Andrews, M. E., Book-Keeper Fredericksburg, Va. Henry W. Brown, M. S., Artist Damariscotta Clara L. Buck, B. S., (Mrs. Thomas W. Hine) Phœnix, Arizona Fannie E. Colburn, B. S., (Mrs. Arthur L. Fernald),

Omaha, Nebraska

Edward H. Farrington, M. S., Chemist,

Agricultural Experiment Station, New Haven, Conn. Oliver C. Farrington, B. S., Principal, Academy. . . . No. Bridgton Charles H. Fogg, B. C. E., Div. Supt., Penn. R. R., Greensburg, Pa. Aldana T. Ingalls, B. C. E., Division Engineer,

C. & C. M. R. R., Wilmington, Ohio Robert John Johnson, B. C. E., Civil Engineer ... St. Paul, Minn. Clara A. Libby, B. S., Teacher ... Augusta Horace F. McIntire, B. M. E., Mill Business ... Waldoborough Charles L. Moor, B. C. E., Law Student ... Portland *Benjamin F. Murray, B. C. E. Stillwater Edwin W. Osborne, B. C. E., N. Pacific R. R. Brainard, Minn. Oscar L. Pease, B. S., U. S. Signal Service ... Phænix, Arizona Harold M. Plaisted, B. M. E., M. E. (Stevens Institute) Draughtsman, Chi., Mil. & St. Paul R. Milwaukee, Wis. Alice I. Ring, B. S. Orono Mary L. Ring, B. S., Teacher ... Orono *Roscoe L. Smith, B. S., Farmer ... Lewiston

Name and Occupation.	Residence.
George Washington Sturtevant, B. C. E., Civ	il Engineer,
	St. Cloud, Minn.
Frank S. Wade, B. S., Physician	
Walter A. White, B. C. E., Lumberman	
John A. Wilson, B. S., Medical Student	
Levi A. Wyman, B. C. E., Lawyer	Elisworth
. CLASS OF 1882.	•
Charles S. Bickford, B. S., Book-Keeper	Belfast
Jacob L. Boynton, B. S	
Charles W. Brown, B. M. E, Draughtsman,	
	Washington, D. C.
Stephen J. Buzzell, B. C. E., Civil Engineer.	Argyle
Oscar H. Dunton, B. M. E., Draughtsman,	
-	rks, Providence, R. I.
Walter Flint, M. E., Instructor, State College	
George R. Fuller, B. S., Law Student	
Charles C. Garland, B. S., 211 ¹ / ₂ Nicollet Ave	nue, Minneapolis, Minn.
Joseph F. Gould, B. S., Lawyer	
Thomas W. Hine, B. S., Lawyer	
Will R. Howard, B. S., Principal, Academy.	
Alonzo L. Hurd, B. S., Rockford Watch Co	
Alfred J. Keith, B. C. E., Ass't Engineer with	h Col. Waring,
	Newport, R. I.
Frank I. Kimball, C. E., Mining Engineer	
James H. Patten, B. S., Physician	Orland
Frederic M. Reed, B. M. E., Draughtsman,	G 72 11 72 7
	Co., Povidence, R. I.
Gleason C. Snow, B. S., Farmer	
Frank H. Todd, B. C. E., Civil Engineer	
Eben C. Webster, B. S., Lumber Manufactur	
Willard A. Wight, B. C. E., Supt. Gas Work	
Daniel C. Woodward, B. M. E., Draughtsm	
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CLASS OF 1883.

Name and Occupation.	Residence.
James H. Cain, B. S	Orono
Jonathan V. Cilley, B. C. E., Railroad Engine	
	res, Arg. Rep., S. A.
Frank E. Emery, B. S., Superintendent Hough	
	e, Orange Co., N. Y.
Arthur L. Fernald, B. S., Commercial Salesma	
Bartholomew P. Kelleher, B. S., Physican	
Lucius H. Merrill, B. S., Assistant, Experimen	
Jennie C. Michaels, B. S., Teacher	
Charles W. Mullen, B. C. E., Civil Engineer	
Truman M. Patten, B. C. E., C. R. & M. R. R.	•
Harry W. Powers, B. S	
Charles E. Putnam, B. C. E., Civil Engineer	
Lewis Robinson, Jr., B. M. E., Physician	Stetson
George A. Sutton, B. C. E., Merchant	Abbott
Levi W. Taylor, B. S., Merchant	Bangor
CLASS OF 1884.	
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Mary F. Conroy, B. S., Assistant in Post Office	
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Hattie C. Fernald, B. S	
Elmer E. Hatch, B. S., Teacher	
John E. Hill, B. C. E., U. S. Signal Service.	Shreveport, La.
Joseph G. Kelley, B. C. E., Farmer and Surve	•
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Fred L. Stevens, B. S., Principal of High Sch	
William Webber, B. M. E., Draughtsman, Mc	Cormick H. Works,
	Chicago, Ill.
CLASS OF 1885.	
George W. Chamberlain, B. S., Teacher	Berwick
Asher Dole, B. C. E	

Name and Occupation.	Residence.
Frank O. Dutton, B. S., Teacher	Orono
Henry T. Fernald, B. S., Post Graduate in Biolo	
Johns Hopkins Univers	0.
Elmer O. Goodridge, B. M. E., Civil Engineer,	
	Montana
George L. Hanscom, B. S., Teacher	Rockland
James N. Hart, B. C. E., Principal, Grammar S	School Machias
Frank E. Hull, B. C. E., Engineer	Rockland
Austin H. Keyes, B. C. E., Principal, High Sch	ool Pembroke
William Morey, Jr., B. C. E., Signal Service	Washington, D. C.
Joseph P. Moulton, B. S., Farmer	
Leonard G. Paine, B. M. E., M. E., (Stevens I	
Draughtsman, B. & S. Man'f'g Co	
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Louis W. Riggs, B. M. E., Teacher, Greeley In	
Fremont L. Russell, B. S., Vet. Surgeon	North Fayette
CLASS OF 1886.	
Bert J. Allen, B. C. E., Teacher, Academy	Hampden
Josiah M. Ayer, B. C. E.	
George G. Barker, B. M. E., Draughtsman	
George F. Black, B. C. E., Civil Engineer, M. C.	
John D. Blagden, B. C. E	
Heywood S. French, B. C. E, Draughtsman	Boston, Mass.
Edwin D. Graves, B. C. E., Civil Engineer, N.	
,	Woodstock, N. B.
Ralph K. Jones, B. S., Electric Lightning Static	on Bangor
Elmer Lenfert, B. C. E	
James F. Lockwood, B. M. E., Electrical Engin	eer,
	New York, N. Y.
George F. Lull, B. S	. Cambridge, Mass.
Willis H. Merriam, B. C. E., U. S. Signal Serv	ice,
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Elmer E. Merritt, B. M. E., Draughtsman	
Arthur D. Page, B. C. E., Civil Engineer	Rockland
Irving B. Ray, B. C. E., U. S. Signal Service.	Washington, D. C.
Sydney S. Twombly, B. S., Ass't Chemist, Corn	
	Ithaca, N. Y.

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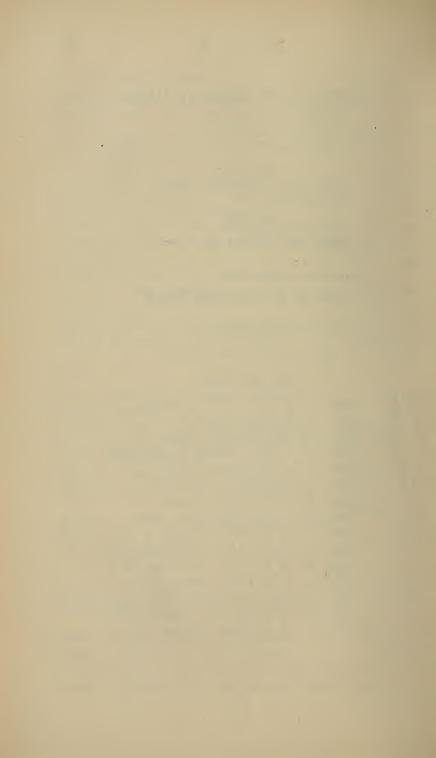
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NECROLOGIST.

E. M. BLANDING, Bangor.

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- 1872. E. J. HASKELL, Saccarappa.
- 1873. J. M. OAK, Bangor.
- 1874. W. BALENTINE, Orono.
- 1875. E. F. HITCHINGS, Warren, Mass.
- 1876. N. P. HASKELL, Orono.
- 1877. S. W. GOULD, Skowhegan.
- 1878. E. C. WALKER, Lovell.
- 1879. F. E. KIDDER, Boston, Mass.
- 1880. A. H. BROWN, Oldtown.
- 1881. A. T. INGALLS, Wilmington, Ohio.
- 1882. O. H. DUNTON, Providence, R. I.
- 1883. C. E. PUTNAM, Boston, Mass.
- 1884. G. H. ALLAN, Dennysville.
- 1885. H. T. FERNALD, Amherst, Mass.
- 1886. G. G. BARKER, Chicago, Ill.



NON-GRADUATES.

Average period of attendance, one and a half years.

Name and Occupation.

Present residence not being known, the former residence is given. Special students are marked in the classes with which they principally recited.

[Corrections for a revised list are solicited.]

CLASS OF 1872.

Residence.

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William H. George, Presbyterian ClergymanTopeka, Kansas William L. Harlow, FarmerBuckfield George L. MacomberDurham Charles C. NortonBuffalo Meadows, Nevada William B. Oleson, ClergymanHonolulu, Sandwich Islands Frank W. Rollins, TeacherStillwater, Minn. Oren S. Sargent, PhysicianLawrence, Mass. *Marcus P. ShoreyOldtown Benjamin F. Watson, FarmerLevant
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George L. Macomber
Charles C. Norton
William B. Oleson, Clergyman Honolulu, Sandwich Islands Frank W. Rollins, Teacher Stillwater, Minn. Oren S. Sargent, Physician Lawrence, Mass. *Marcus P. Shorey Oldtown Benjamin F. Watson, Farmer Levant
Frank W. Rollins, Teacher
Oren S. Sargent, Physician
*Marcus P. ShoreyOldtown Benjamin F. Watson, FarmerLevant
Benjamin F. Watson, FarmerLevant
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CLASS OF 1873.
William H. Claffin, Clerk or MerchantBoston
Joseph E. P. Clark, Book BusinessMinneapolis, Minn.
*John JacksonAlfred
Samuel Lane, Insurance Agent
William F. Lovejoy, Book-Keeper
Thomas P. PeaseBridgton

Name and Occupation.	Residence.
Clarence Pullen, Civil Engineer	
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Frank P. Burleigh	Springfield
*Mark E. Burnham	Garland
Louville Curtis	
Roland Curtis, Physician	
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George I. Trickey, Lawyer	
Manley H. Whitehouse	
Edward R. Wingate, Lumber Business	0
William I. Wood, Lawyer	Corinna
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Gustavus Bellows, Farmer; Specialty, Fruit	Freedom
Leander H. Blossom, Farmer	Turner
John H. Carver, Merchant	
William B. Dole, Mechanic	
George N. Gage, Physician	
Benson H. Ham, Merchant	
Manley Jackson, Organ and Sewing Machine	
Freeland Jones, Merchant and Surveyor	
Ora Oak	
Sidney S. Soule, Farmer	Freeport
Louis C. Southard, Lawyer	
*George W. Spratt, Merchant	
Charles H. Spring, Wool GrowerBuenos Ay	res, Arg. Rep., S. A.

CLASS OF 1876.

CLASS OF 1070.
Name and Occupation. Residence.
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Russell A. Carver
Frank P. Gurney, FarmerDover, Dakota
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Eugene HopkinsOldtown
James W. Linnell, FarmerExeter
George J. Moody, LawyerMontesano, Wash. Ter.
Webster MudgettAlbion
Edward B. Pillsbury, Telegrapher and ElectricianBoston, Mass.
Randall H. Rines, MerchantPortland
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Edward C. Shaw, in employ of Am. Watch CoWaltham, Mass.
Frank E. Southard, Lawyer
Frank P. Whitaker, Physician
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Charles F. AndrewsBiddeford
Charles F. Andrews Biddeford
Charles F. Andrews. Biddeford Fred S. Bunker Cambridge *Edson C. Chase. Stillwater William W. Dow, Printer. Providence, R. I.
Charles F. AndrewsBiddefordFred S. BunkerCambridge*Edson C. ChaseStillwaterWilliam W. Dow, PrinterProvidence, R. I.James T. EmeryStillwater
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7	D 17
Name and Occupation.	Residence.
Fred S. Wiggin, Farmer	_
William B. Whitney	Iowa
CLASS OF 1878.	
Charles H. Benjamin, Professor Mech. Eng	., M. S. C Orono
Eugene M. Berry	Sumner
*Nathaniel A. Crocker	
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Howard H. Hartwell	
John E. Haynes, Jeweller	Oldtown
Fred H. Hinckley, Clerk in U. S. Land Off	fice Eureka, Nev.
Richard S. Howe	
Carl S. Jameson, Boot and Shoe Dealer	
William S. Jameson, Dealer in Sugar Machi	
Edgar H. Lancaster, Mechanic in R. R. Sho	-
*Alvra W. Leathers	
James Lunt	
Herbert A. Mallett, Lumberman	
Silas N. Miller, Prospecting for Gold and S	
Frank J. Perkins, Dry Goods Dealer	
Charles F. Plumley, Merchant John O. Richardson, Trader, Paints and Oil	
A. Judson Small	
Albert H. Stewart, Piano Regulator	
Edson Warriner, Watchmaker and Jeweller	
Erastus G. Weeks, Merchant	
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CLASS OF 1879.	
Daniel Allison	
Arthur P. Brown, Mechanic	
Benjamin V. Carver, Machinist	
Byron H. Cochrane Fred A. Colburn, Clerk and Scaler	
James W. Cousens, Teacher	
John A. Curtis, U. S. Deputy Surveyor	
John A. Curus, U. S. Deputy Surveyor	I nœnix, Arizona

Name and Occupation.	Residence.
George A. Dustin, Machinist and Trader	Dexter
Loomis F. Goodale, Civil Eng., Can. Pac. R.	
	Winnipeg, Manitoba
Edwin A. Hawes, Mechanic.	
*Edwin C. Johnson	
Oliver S. Jones, Farmer	
Albert Y. Merrill, Lawyer, Judge of Probate	
Asa C. Morton	_
Harry W. Peakes, Merchant	
*Eugene G. Smith	
William N. Titus, Lawyer	
Howard E. Webster, Lumberman	
Arthur L. Wellington, Shipping Agent	
Charles M. Wilson	San Francisco, Cal.
CLASS OF 1880.	
Charles M. Allen, Teacher	Kingston, Penn.
Edward N. Atwood, Asst. Supt., Ker. Oil Wo	orksPortland
Granville Austin, Clerk	Boston, Mass.
Sylvester A. Brown, Clerk	
Ada M. L. Buswell, Teacher	
Charles E. Cheney, Farmer	
Woodbury F. Cleveland, Physician	
Samuel H. Dyer	
Osgood E. Fuller, Druggist	
John B. Horton, Book-Keeper	
Daniel S. Jones, Watchmaker and Jeweller	
Prescott Keyes, Jr., Farmer	
*Charles W. Nash	
Willis L. Oak, Clerk	Presque Isle
Fred W. Powers, Farmer and Teacher	
Emily Ramsdell, Teacher	Atkinson

^{*}Deceased.

Name and Occupation.	Residence.
Mortier C. Randall	Stillwater
William J. Rich, Chemist, Cambria Iron Co	Johnstown, Pa.
Charles S. Simpson, Civil Engineer and County	Surveyor,
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Frank A. Spratt, Principal, Academy	
Daniel Webster, Clerk, Am. Exp. Co	Bangor
CLASS OF 1881.	
Henry W. Adams, Lumberman	Wisconsin
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Charles P. Chandler, Machinist	New Gloucester
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Benjamin Johnson	
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Charles S. Macomber, Lawyer	
Charles I. D. Nichols, Farmer	
James Martin Nowland, Farmer	
Charles C. Ross, Commercial Salesman	_
Clara Southard (Mrs. Hammond)	
Charles P. Tidd, Tel. Operator	
Harry P. TiddFo	
William R. Tilden, Workman in Shoe Factory	-
William A. Vinal, Scaler	
William G. Wales	
Frank B. Weeks, Government Quartermaster's	
T) W 1 1 M	San Francisco, Cal.
Flora Welch, Nurse	
George H. Wilson, Clerk, Gov. Storehouse	Maricopa, Arizona

^{*}Deceased.

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Name and Occupation.	Residence.
Joseph B. Bartlett, Fruit Grower	San Gabriel, California
Charles C. Dunn, Farmer	
Charles W. Fenlason	Bridgewater
John I. Greenlaw, Merchant	N. Fryeburg
William H. Hatch	Lisbon
Wesley J. Jameson	
Frederick A. Kenniston, Clerk	
Frederick O. Kent	
Walter H. Nason, Physician	
Atta L. Nutter, Teacher	
Parker J. Page	
Harry K. Poole	
Louis C. Tilley, Farmer	Cashe Hill
CLASS OF 18	83.
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Norman F. Kelsea, Clerk	
Edwin P. Kendall, Farmer and Miller	
Henry W. Longfellow, Clerk	
Charles S. Murray	
George A. Rich	
Everett F. Rich, Clerk	9
Ralph Starbird, Manufacturer	
Ralph R. Ulmer	
Frank C. Webster, Clerk, Am. Exp. Co Frank G. Webster, Clerk	
Lewis H. White, Physician	
Dewis II. White, I hysician	
GT 1 3 G 1 G 1 G 1 G 1 G 1 G 1 G 1 G 1 G 1 G	
CLASS OF 18	384.
Edward S. Abbott, M. D., Physician	Bridgton
Edward M. Bailey, Merchant	Bangor

Name and Occupation.	Residence.
Joseph B. Bartlett	Nottingham, N. H.
William A. Berry, Sailor	Hampden
James A. Dunning, Clerk	Monson
Freeland Ellis, Clerk	Guilford
Eugene L. Folsom, Machinist	Stillwater
Evie M. Hamblen	
Robert S. Leighton	Steuben
*Gilbert Longfellow, Jr	Machias
Cephas R. Moore, Trader	
William R. Pattangall	
Robert C. Patterson, Surveyor	Minneapolis, Minn.
Charles S. Pendleton, Farmer	Philbrook, Montana
Herbert L. Rich	Attleboro', Mass.
Flora M. Ricker (Mrs. P. J. Page)	Orono
Warren J. Ridley, Conductor, Street R. R.	South Boston, Mass.
Elmer A. Savage	Minneapolis, Minn.
Mertie Sawyer	
Charles F. Smith	
*Horace G. Trueworthy	Orono
Jotham Whipple, Jr	Solon
CLASS OF 1885.	
James W. Bishop, Farmer	Milo
Frederick H. Butler, Civil Engineer	
Harry W. Davis, Banker	Buxton, Dakota
Fred W. Dickerson	Uxbridge, Mass.
Samuel W. Hill	Machias
Willard A. Libby	
Charles L. Libby, Draughtsman	
*Frank E. Manter	
Dennis D. Merrill, Engineer, Steam Mill	
Dudley W. Moor, Jr	
Carl H. Prince, Farmer	
Elisha C. Vose, Signal Service	
Charles S. Williams	Monhegan Island

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Ann. EKANA OF ITE NOIS.

CLASS OF 1889.

George G. Fernald	Wilton
Temple Grosvenor	
Lewis F. Johnson	La Grange
Frederick L. Thompson	Augusta

CALENDAR.

1887—Feb. 8.	Tuesday, Second Term commences.
June 23, 24.	Thursday and Friday, Examinations.
·· 25.	Saturday, Prize Declamations by Sophomores.
" 26.	Sunday, Baccalaureate Address.
· · 27.	Monday, Prize Essays by Juniors.
" 29.	Wednesday, Commencement.
·· 30.	Thursday, Examination of Candidates for Ad-
	mission.
	Vacation of five weeks.
Aug. 9.	Tuesday, Examination of Candidates for Admission.
	First Term commences.
Nov. 21, 22.	Monday and Tuesday, Examinations.
	Vacation of eleven weeks.
1888—Feb. 7.	Tuesday, Second Term commences.



